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Ninety-Ninth

Commencement Exercises

University of Arkansas

Saturday, May 19, 1973



Program

Hegrees Awarded

# Commencement Exercises

# University of Arkansas

Saturday, May 19, at 5:30 p.m.

# 1973

# Frogram

CARILLONIC BELLS RECITAL	Mark Stewart
	University Band
Eldon Janzen, Director	
Star Spangled Banner	ELAINE CENCEL
Invocation	or an half.
Dr. Joel A. Cooper, Pastor Central United Methodist Church Fayetteville	
Commencement Address	
Dr. Martha Peterson, President  Barnard College  Columbia University	Towns of the second
Conferring of Degrees	
Presentation of Honorary Degrees, Citations and Aw Dr. Mullins	vards
Alma Mater	Tovey
Pure as the dawn on the brow of thy beauty Watches thy soul from the Mountains of Go Over the fates of thy children departed Far from the land where their footsteps hav Beacon of hope in thy ways dreary lighted, Pride of our hearts that are loyal and true; From those who adore unto one who adores us, Mother of Mothers, we sing unto you. — Bro	ve trod
Benediction	Maria Control
Recessional	University Band

## Degrees in Course

#### Presented by Robbin C. Anderson, Dean of the College of Arts and Sciences

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Nina Jane Cole Melvia Ann Comley Jerome Wade Compton Elota P. Condon Don Conduff Susan Diane Conley Barbara Glen Cook Joel Patrick Cook Lewis Edward Cook Rebecca Leigh Cooke David Alan Cowan Marilyn Joann Cox Sammy Earl Craft Robyn Earlene Cravens Andrea T. Cromwell Paul Dwain Cromwell James Sherwood Culberson Steven A. Curlee 4 BETT Rebecca Ann Curtis Michael B. Dabney Noble S. Dallison Sheila Jo Daniel James Scott David Albert Wayne Davis Barbara Jane Davis Hal Wayne Davis James Delbert Davis Laura Anne Davis Stephen Lewis Davis Thomas Isely Davis Wanda Jovce Davis S. Luanne Diffin Jeri Lynn Donaldson William Michael Dooley Martha Nell Downing Vickey Lou Drye Stephanie Ann Duffy Antonietta Del Duke Frankie Leon Dunkerson Henry Alan Dunsworth Michael Edward Durham Janet Beatrice Dver Treeca Jim Dyer Jimmy Don Eaton Laura Ellen Edds Mary Beth Edwards David Michael Elms Marilyn Frances Engskov Kirby Lee Estes Mary Leeta Horne Farmer Barbara Lyn Featherston Gaston Alejandro Fernandez James Edwin Fewell Linda Lee Finley Thomas DeWitt Fitts, Jr. Brenda Kaye Fitzgerald

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Alden Ray Roller

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William Wert Kimpel Richard Denton Magoun Richard Allen Maxwell Joseph Sheridan Miller Grey Andrew Neal, Jr. Orval Bard Phillips Stanley Loyd Rankin James C. Reese Joseph Leo Reisz Peter A. Schrimpf James Howell Singleton David Rollins Smith Charles Preston Taylor Zealand Benjamin Thigpen, II James Barrett Thompson, Jr. Charles L. Triplett, Jr. C. Michael Waggoner Christopher G. Weiser Victor Yee Cyrus Dean Young

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Gilbert Louis Glover, II Edward Allen Gordon Michael Stewart Gorman Patrick James Goss James Russell Green Dave Greenbaum David Fredric Guthrie John Wesley Hall, Jr. Charles Edgar Hanks David Michael Hargis Ed Hargis Robert Snow Hargraves Daniel H. Harmon Ora Fred Harris, Jr. Bovce E. Hawk Basil Virgil Hicks, Jr. Charles Minor Hinton, Jr. Dewain W. Hodge Harlin R. Hodnett Howard M. Holthoff Charles Sandy Howard Webster L. Hubbell Michael Edward Irwin Thomas Alan Jacoway Gary Scott Jefferson Charles Cole Jeffries, Jr. David H. Jones Tommy J. Keith Alexander William Kent Barry Donald Kincannon James Gordon Kincheloe, Jr. Durwood Wayne King Fred C. Kirkpatrick Clarence James Kubicek Alvin Laser Jack T. Lassiter Stanley Wade Ludwig Harold Wayne Madden William Ford Magee George W. Mason, III Edmund McDowell Massey William Lloyd Massey Thomas L. Mays Hall McAdams James Edward McMenis Ronald W. Metcalf John L. Munday Walter Murray Alexander Wyckliff Nisbet, Jr. James Francis O'Hara Richard Pierce Osborne Thomas Overbey

Michael Buckley Paddock Ed Paul James Albert Penix, Jr. Philip David Peters James Harvey Pilkinton, Jr. James Thurman Pitts Jesse E. Porter, Jr. John Michael Powell William R. Pratt Allan F. Pruitt Jerry Damon Pruitt William P. Rainey James D. Reese Kenneth R. Reeves William Rand Riddell Marvin Hilliard Robertson Frances Howell Rudko David Parke Saxon, II Stephen M. Sharum Jonathan P. Shermer, Jr. Malcolm R. Smith

Thomas Benton Smith

James D. Spears Eddie Spitzer Everett D. Stiles John McCollum Stinson, III Larry David Stubbs Phillip Jack Taylor Roy Edward Thomas Bert Vaughn Twibell George Ellis Van Hook, Jr. Rodney Carlton Wade Dewey Paul Webb, Jr. Warren Hamilton Webster John Ambler White Carolyn Lee Whitefield Janice Williams Wavne Russell Williams Jimmie L. Wilson Philip Monroe Wilson Zachary David Wilson Robert Harlin Wood, Jr. William Gary Wright

The red and white stoles worn by the degree candidates indicate graduation with Honors and High Honors respectively.

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#### MASTER OF ARTS

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Amnuay Aungabsee (Public Administration)

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#### MASTER OF SCIENCE IN AGRICULTURAL ENGINEERING

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Radhe Shyam Sharma (Electrical Engineering)

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#### MASTER OF SCIENCE IN MECHANICAL ENGINEERING

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B. Tech., Indian Institute of Tehnology

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#### DOCTOR OF EDUCATION

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Dissertation: "Communication of Emotions Through
Instrumental Music and the Music Selection
Preferences of Patients and Non Patients
Experiencing Various Emotional Moods."

#### James Tedford Brown (Vocational Education)

B.S., Southwest Missouri State College

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Dissertation: "A Comparison of Three Laboratory Instructional Methods Used in an Electronic Test Instruments Course."

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B.S., Northeastern State College
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Dissertation: "Status of the Industrial
Programs in the State of Oklahoma
Recommendations for Improvements." With

#### Barbara Jean Cooper (Elementary Education)

B.S.E., University of Arkansas M.Ed., University of Arkansas Dissertation: "An Analysis of Selected Oral Reading Errors and Their Relationship to Decoding Skills and Reader Ability Level."

#### Jerry Calvin Daniel (Educational Administration)

M.Ed., Southern State College
M.Ed., University of Arkansas
Dissertation: "A Study of Arkansas Middle Schools
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#### Roger W. Denker (Physical Education)

B.S., South Dakota State University
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Dissertation: "The Effect of Two Different Periods of Weight Reduction Upon the Physical
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### Mary Louise Webb Fields

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B.A., University of Arkansas M.S., Oklahoma State University Dissertation: "Color, Size, and Form Preference in Infants."

### Roy Ghazimorad (Counselor

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B.S., Washburn University
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Dissertation: "A Correlational Study of Patterns of Subscription to Set of Cliches, Anxiety Level, and Internal-External Dominance."

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B.S., Lindenwood College M.Ed., University of Arkansas Dissertation: "Relationships Between Selected Com-munication Behaviors of Teachers and Teacher Effectiveness as Perceived by Teachers and Their Students."

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B.S., Central State University M.Ed., Louisiana State University
Dissertation: "The Academic Success of Shreveport Campus Transfers to the Upper-Division
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Dissertation: "A Survey of Attitudes Regarding
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Dissertation: "A Comparison of Selected Personality Factors of Community College Teachers and Teachers in the State Colleges of Missouri.

#### William Elwin King (Secondary Education)

B.B.A., Eastern New Mexico University

M.E., Texas Tech College
Dissertation: "A Comparison of the Opinions of
Two Selected Groups of Secondary Social Studies Teachers Concerning the Fifth Year of Teacher Education."

Trudy Knox (Higher Education)
B.S., Northwestern University
M.A., University of Florida
Dissertation: "The Effect of Transactional Analysis Groups on Internal-External Locus of Con-

#### Virginia Rae Krauft (Counselor

Education)

Education,

B.A., Coe College
M.S., Southern Illinois University
M.S., Southern Illinois University
Group InClark Grade Behavioral Problem

#### E. Gilmore Love (Counselor

Education)

B.S., Oklahoma State University
M.S., University of Oklahoma
Dissertation: "The Effect of a Self-Improvement
Program for Teachers on Their Attitudes
Toward Teacher-Pupil Interaction."

#### Greta S. Mack (Higher

Education)

A.B., Duke University

M.A., University of Kansas

Dissertation: "Roles and Rewards of Faculty

Members at the University of Arkansas."

#### Harold Gene Morris (Secondary

Education)

B.S.E., University of Arkansas
M.Ed., University of Missouri
Dissertation: "Value Transfer Relative to SocioEconomic Status of High School Students and
Proximity of the High School to a University
Campus."

#### Shela Jo Duby Moss (Elementary Education)

B.S., Oklahoma State University

M.S., Oklahoma State University
Dissertation: "A Token Reinforcement Reading
Program Conducted With Regular Classroom
Instructional Materials."

#### Paul Clay Motley (Physical

Education)

B.A., Eastern Kentucky State University
M.A.Ed., Eastern Kentucky State University
Dissertation: "Personality and Attitude Change
of College Freshmen Due to Participation in
a Required Adapted Physical Education Program.

# Bill L. Nutter (Physical Education) B.A., Hendrix College M.S.E., Arkansas State Teachers College

Dissertation: "A Comparison of the Modified Standing Start and the Traditional Crouch Starts for Running Speeds."

#### William Alton Parish (Higher

Education)

M.S., North Texas State University
M.S., North Texas State University
Dissertation: "The Educational
Thostein Veblen."

Philosophy 29

#### Jim G. Shoemaker (Vocational

Education)

B.S.E., State College of Arkansas M.Ed., University of Missouri Dissertation: "Arkansas Vocational-Technical School Personnel Characteristics as Related to Self Perceived Needs For Professional In-Service Education."

### Paul Joseph Smith (Educational

Administration) A.B., Rockhurst College

A.B., Rockhurst College
M.S.Ed., Western Illinois University
Dissertation: "Teacher Satisfaction and Organizational Climate Relationships in Selected
Little Rock, North Little Rock and Pulaski
County Special Elementary School."

#### Ali Mohammed Towagry (Educational Administration)

B.S., College of Sharia

M.S.E., University of Kansas

Dissertation: "Organization Analysis and Proposed Reorganization of the Ministry of Education of the Kingdom of Saudi Arabia."

#### Anna Ruth Trexler (Secondary Education)

B.S.E., Southeastern State College
M.S., Oklahoma State University
Dissertation: "A Study to Determine the Effectiveness of the Gregg/Pacesetter in Beginning
Typewriting."

#### Jesse Glenn Walker (Secondary Education)

B.S.E., Louisiana Polytechnic College M.Ed., University of Arkansas

Dissertation: "Instructional Difficulties of Beginning Junior High School Science Teachers in Arkansas, 1972-73."

#### Bonnie Kirby Whitmore

(Elementary Education)

B.S., Southern State College

M.Ed., Southern State College
Dissertation: "Early Childhood Education: A Bibliography of Federal Legislation."

#### Edna Isabel Yarbrough (Physical Education)

B.S., Texas Woman's University
M.A., Texas Woman's University
Dissertation: "The Effect of Breakfast on the Motor Performance and Blood Glucose Level University Women."

#### DOCTOR OF PHILOSOPHY

#### William Louis Anthes (Economics)

A.B., Rockhurst College
Dissertation: "An Economic Examination of the
Omaha, Nebraska Concentrated Employment
Program."

#### Panayotis A. Apostolidis (Economics)

M.B.A., University of Athens
M.B.A., University of Houston
Dissertation: "An Investigation of Selected Operating Ratios with Emphasis on Size of Member Banks of the Eleventh Federal Reserve District for the Years 1960-69."

#### Terry L. Arndt (Finance)

B.S., Murray State College
M.B.A., DePaul University
Dissertation: "An Inquiry into the Relationship
Between Securities with Abnormally High Positive Price Changes and Selected Financial Ratios.'

#### Judith Gott Arthurs (English)

B.A., Little Rock University

M.A., University of Arkansas
Dissertation: "Edmund Spenser and Dan Chaucer:
A Study of the Influence of the Canterbury
Tales on The Faerie Queene."

#### Phillip W. Balsmeier (Business

Administration)

B.A., Kansas State Teachers College
M.S., Wichita State University
Dissertation "The Development of an Induced
Course Load Martix for the University of Arkansas — A Case Study." of an Induced

#### Donald La Vere Bates (Management)

B.S., Indiana State University

M.A., Indiana State University Dissertation: "The Origins and Career Path Development of the Modern Turkish Business Elite."

### Holland Cornelius Blades, Jr.

(Marketing)

B.A., Millsaps College M.Ed., University of Southern Mississippl

Dissertation: "The Impact of the Arkansas Usury Ceiling Upon Selected Retail Firms in Tex-arkana and Fort Smith."

#### Scott Boaz (Economics)

B.A., University of Arkansas M.B.A., University of Arkansas Dissertation: "Some Aspects of the Magnitude, Orientation, and Trend of Soviet Capital For-

#### William G. Brown, Jr. (Animal

Science)

B.S., University of Tennessee
M.S., Oklahoma State University
Dissertation: "Some Aspects of Beef Cattle Behavior as Related to Productivity."

### Alfonso Navarrete Burgos (Animal

Escuela Agricola Panamerica Agromono
Dissertation: "Determination of Amino Acid Content and Availability of Different Feedstuffs
and Their Application in Determining Amino
Acid Requirements in the Broller Chick."

#### Thomas Othon Callaway (Physics)

B.S., West Texas State University M.S., West Texas State University Dissertation: "The Effective Ion-Ion Potential for Liquid Sodium from X-Ray Diffraction Data.

#### Donald Alfred Carnahan

(Mathematics)

B.A., Arkansas College M.S., University of Arkansas Dissertation: "Some Properties Related to Compactness in Tapological Spaces."

#### Grady Dene Carney (Chemistry)

B.A., Delata State College
Dissertation: "Ab-Initio Calculation of Vibrational-Rotational Properties for the Ground Electronic State of the H+ Molecular Ion."

### James Keith Carroll (Animal

Science)

B.A., University of Missouri
M.A., University of Missouri
Dissertation: "Studies Related to Hypoglycemia
in the Neonatal Pig."

#### Jerry F. Casteel (Chemistry)

B.S., Northeastern State College

M.S., University of Arkansas

Dissertation: "The Conductivity, Density and
Viscosity of Electrolytes from Dilute to Concentrated Solutions at Various Temperatures
in High Dielectric Constant Solvents."

#### Nicky Chan (Chemistry)

B.A., Delta State College Dissertation: "The Structure and Photochemistry of Imidazole Complexes of Platinum (II)."

#### Yi-Shung Chen (Engineering)

B.S., National Taiwan University M.S.E.S., University of Arkansas Dissertation: "Steady-State Response of Hysteretic Systems with a Multifold Yielding Distribu-tion."

#### Ronald Neal Collins (Chemistry)

B.S., Western Illinois University

B.S., Western Hilmois University
M.S., University of Arkansas
Dissertation: "Pt. I The Polarized Single Crystal
Electronic Spectra of Trans-Bis (Dimethylamine) Plantinum (II) Chloride
Part II Deuterium Exchange Reactions of Coordinated Beta-Diketonates of Cobalt (III)."

#### John Irvin Coppett (Business

Administration)

M.B.A., University of Houston
Dissertation: "A Series of Experiments Analyzing
Friendship Groups' Evaluations of Selected
Products."

#### Robert Donald Coston (Economics)

B.S., Northeastern Louisiana State College M.B.A., Northeastern Louisiana State College Dissertation: "An Investigation of the Effects of the Four-Day Workweek on Worker Productivity, Absenteeism, Turnover and Morale in the Georgia Apparel Industry."

# John Charles Cox (Marketing) B.S.E.E., University of Arkansas

M.B.A., University of Arkansas

Sh.B.A., Omershy of Arabasas

Dissertation: "Nonconsumer Bankruptcy, Arkansas, As Filed in United States Courts: An Examination and Analysis of Selected Cases Under the Federal Bankruptcy Act."

Sam Anthony Damico, Jr. (Zoology)

B.S., Northwestern State College of Louisiana
M.S., Northwestern State College of Louisiana
Dissertation: "The Limnetic Zooplankton of Beaver
and Bull Shoals Reservoirs: Composition,
Seasonal Abundance, Structure and Vertical
Migration."

### George V. Davis (Agronomy-Crop

Physiology)

B.S.A., University of Arkansas M.S., University of Arkansas Dissertation: "The Nutritive Value White Lupine Forage and Seed for Ruminants."

#### Richard N. Davis (Management)

B.A., University of California
M.B.A., San Jose State College
Dissertation: "Human Development in the Framework of Rural Development."

### Gordon Oliver Dodson, Jr.

(Business Administration) B.B.A., North Texas State University M.B.A., North Texas State University

Dissertation: "Barriers to the Training and Employment of Low-Income Household Heads in Urban, Transitional, an Rural Counties in the Western Arkansas Planning and Development District."

### David Eugene Douglas (Engineering)

B.S.I.E., University of Arkansas M.S.I.E., University of Arkansas Dissertation: "Management Information Systems for the Construction Industry.'

### Ronald Herron Eaton (Accounting)

B.B.A., Memphis State University
Dissertation: "An Inquiry into a Method for
Allocating Operation and Maintenance of Physical Plant Funds to Tennessee Public Institutions of Higher Education."

### Waldemar Eichmann (Comparative

Literature)

B.A., Harding College Dissertation: "The Critical Reception of Gunter Grass in France from 1961-1971."

Bob G. Figgins (Economics)

B.S.B.A., Harding College
M.B.A., University of Arkansas
Dissertation: "Intergenerational Occupational Socioeconomic Status Mobility of Selected 1965
Missouri High School Graduates."

#### Manuel Flores, Jr. (Economics)

M. M. Memuray College
M.A., Maduray College
M.A., Hardin-Simmons University
Dissertation: "A Factor Analysis of Economic
Opportunity Loans in a Multi-County Rural
Area of Texas."

Jack Allen Fuller (Management)
B.S.E.E., Iowa State University
Dissertation: "An Investigation of Mathematical
Programming and Heuristic Methods to Aggregate Production Planning."

Gerald L. Gehre (Economics)

B.A., Nebraska Wesleyan University

M.A., University of Nebraska

Dissertation: "The Measurement and Role

Fraire Producers' Economic Perception

Attitudes Toward Class I Base Plans." and

Virginia Shaw Geurin (Management)

B.S.B.A., University of Arkansas

Dissertation: "Educational and Occupational
Achievements of Rural Youth in Relation to
Educational and Occupational Aspirations —
A Follow-up Study."

Ilene Quade Gipson (Zoology)

M.A., Drury College
M.S., University of Arkansas
Dissertation: "Ultrastructure of Early Cleavage
in the Chick Blastoderm."

Robert Thomas Greubel (Economics)

B.S., Memphis State University
M.A., Memphis State University
Dissertation: "An Evaluation on the Performance
of the Electrical Machinery Industry A Case Study of an Industry."

Hannah Lucille Hedrick

(Comparative Literature)

M.A., College of Puget Sound
M.A., University of Maryland
Dissertation: "Theo Van Doesburg, Propagandist
and Practitioner of the Avant — Garde:
Belletristic Activity in Holland, Germany, and
France, 1909-1923."

Gaylord Milton Hoyt

(Mathematics)

M.S., Louislana State University
M.S., Louislana State University
Dissertation: "Results on Cluster Sets for Functions Into Banach Spaces."

Jerry J. Ingram (Marketing)

B.S., University of Alabama
M.A., University of Alabama
Dissertation: "A Product Use Analysis of Negro
and White Consumers."

Charles Edwin Jones (Philosophy)

B.A., Southern Methodist University
B.D., Duke University
Dissertation: "The Theory of Truth as Subjectivity in Kferkegaard. Compared with Theories of Truth in Blanshard and Ayer."

Carolyn Kane (English)

B.A., Hendrix College
Dissertation: "Nathaniel Hawthorne in his work:
The Author in Relation to His Time and
Place."

Robert M. Krudener (Engineering)

B.S., Massachusetts Institute of Technology

M.S., University of Michigan
M.S.M.E., University of Arkansas
Dissertation: "Transient and Steady Temperature
Distributions in Nuclear Fuel Rods Utilizing
Large Center Voids and Auxiliary Heat-Flow
Paths."

Bobby Ray Layton (Chemistry)

B.S., Arkansas State College M.S., University of Arkansas

Dissertation: "Photolysis of Substituted Bromoben-

zenes."

Julio S. Leon (Management)

B.A., Universidad Texica del Estado

M.B.A., Officers and restaute the state of the M.B.A., North Texas State University
Dissertation: "An Investigation of the Applicability
of the Two-Factor Theory of Job Satisfaction
Among College Professors."

Glynn C. Lively (Engineering)

B.S., Northeastern State College

M.S., University of Arkansas

Dissertation: "A Closed Form Solution to a Special Markov Chain Process."

#### Richard Thomas Mayhew

(Chemistry)

R.S., Wheaton College
Dissertation: "The Electron Exchange Reaction
Between Uranium (VI) and Tin (II) in a
N-Methylacetamide — Water Solutions."

Thomas I. Miller (Accounting)

B.S., Murray State College

M.B.A., Murray State College
Dissertation: "An Inquiry into the Feasibility of
External Reporting of Forecasted Financial In-

#### Willard Ellsworth Millis, Jr.

(Psychology)

B.A., University of Massachusetts M.Ed., Springfield College Dissertation: "The Development of Mediation in Children as Shown by a Palred Associate Task."

#### R. James Mitchell (Animal Science)

James Mitchell (Affilial Science)

B.S., University of Nebraska
Dissertation: "Relationship of Dietary Nutrient
Density Upon Nútrient Interrelationships and
the Performance of Broiler Chicks."

#### David Thomas Moore (Chemistry)

B.S., Oklahoma State University
M.S., University of Arkansas
Dissertation: "A Radiochemical Study of Atmospheric Debris from Recent Nuclear Tests."

#### Linda Lou Munchausen (Chemistry)

B.S., Southeastern Louisiana College
Dissertation: "The Neighboring-Group Effect of
o-Acetamido Groups in the Photolysis of
Aromatic Acetylenes and Nitriles."

#### Ahmad Nevissi (Chemistry)

B.S., Tehran University
M.S., Hanover University
Dissertation: "Long-lived Radon Daughters as Radioactive Tracers."

### Brenda Hudson Nobles (Psychology)

B.A., University of Arkansas
M.A., University of Arkansas
Dissertation: "Sex of the Experimenter and Sex
of the Subject as Variables in Verbal Learning."

Mitsuo Oka (Chemistry)

B.S., Sophia University

M.S., University of Arkansas
Dissertation: "Carbon-13 and Carbon-14 Tracer
Studies of Acid-Catalyzed Aliphatic Ketone Rearrangements."

#### Billy James Pace (English)

B.A., Rollins College

M.A., University of North Carolina
Dissertation: "The Relation of D. H. Lawrence
and Richard Wagner."

Hampton Marrs Parker (Botany)

B.S.Ed., Eastern Illinois State College
M.S., Eastern Illinois University
Dissertation: "A Biosystematic Study of Section
Calliopsis of Coreopsis (Compositae)."

#### Karen Amelia Pashman (Chemistry)

B.A., McMurray College
Dissertation: "Photochemically-Induced Linkage
Isomerization of Transition-Metal Complexes
in the Solid State."

#### James V. Pearson (Engineering)

B.S.E.E., University of Minnesota M.S., University of Arkansas Dissertation: "Estimation and Optimal Control Techniques Applied to a Small College Sys-

#### Fred A. Petro (Business

Administration)

B.S., University of Southern Missouri M.S., University of Southern Missouri Dissertation: "A Study of Accounting for Long
Term-Leases in the Financial Statements of
the Lessee and the Lessor."

Willard B. Platzer (Marketing)

B.B.A., Lamar State College of Technology M.B.A., University of Arkansas Dissertation: "An Analysis of Ecologically Moti-vated Consumer Purchase Behavior."

Ralph S. Polimeni (Accounting)

B.S., Long Island University
Dissertation: "Accountant's Role in Quality
Control Activities and Development of Operational Quality Control Audit Guidelines."

Paul Leonard Raines (Botany)

B.S.A., University of Arkansas Dissertation: "The Ecological Life History Elymus virginicus L. var. glabriflorus (Vasey)

#### S. Ramagopala Rao (Marketing)

B.A., Andhra University M.B.A., Andhra University
Dissertation: "Industrial Procurement: Identifying
Dimensions for Evaluating Potential Vendors."

#### Stephen H. Replogle (Economics)

B.S., Southwest Missouri State College M.B.A., University of Arkanasa

Dissertation: "The Manipulation of the Money
Supply and the Shiftability of the Phillips
Curve."

#### James Averyt Rix (Business Administration)

B.A., Abilene Christian College "Inquiry into Application of dard Cost Techniques in Back Office Opera-tions of Investment Banking Firms."

#### Allen Fred Robinette (Chemistry)

B.S., Arkansas State Teachers College M.S., Louisiana State University Dissertation: "Electromotive Forces and Thermodynamic Functions of the Cell Pt, H<sub>2</sub>, H<sub>2</sub>/HBr, (m) agvr, Ag in Pure and Mixed Solvents."

### Charles H. Rogers (Physics)

B.S., University of Arkansas M.S., University of Arkansas Dissertation: "Structural Studies of Simple Molecular Liquids."

### J. William Rush (Marketing)

M.B.A., University of Oklahoma
M.B.A., University of Oklahoma
Dissertation: "An Examination of the Changing
Character of Mississippi's Transport Sector:
A Study of the Motor Transportation Industry
with Particular Emphasis upon the Period 1960-1970.

#### Wayne D. Samuelson (Psychology)

B.A., University of Minnesota M.A., University of Arkansas Dissertation: "Learning Effects in Species Identi-fication: A Test of the Association vs. Arousal Hypotheses."

### Ernest Theodore Schoenwald

(Engineering)

M.S.A.E., Massachusetts Institute of Technology
M.B.A., Harvard
M.S.I.E., University of Arkansas
Dissertation: "Complex Cepstrum
and Wiener Filtering of an Autocorrelated
Stochastic Time Series."

#### David L. Scott (Economics)

B.S., Purdue University
M.S., Florida State University
Dissertation: "The Economics of Environmental Pollution: The Case of the Electric Power In-

#### Thomas Francis Sharby (Animal Science)

B.S.A., University of Manitoba
Dissertation: "Effect of Feeding Experimentally
Molded Corn to Broiler Chicks and Turkey
Poults."

#### Jack Glen Sheppard (Engineering)

B.S.E.E., University of Arkansas M.S.E.E., University of Arkansas Dissertation: "On-Line Testing Using Average Cor-relation Functions."

#### Paul D. Sidler (Accounting)

B.S.B.A., University of Arkansas
M.B.A., University of Arkansas
Dissertation: "Ethical Problems Associated with Management Advisory Services by Certified Public Accounts."

#### Joseph Charles Simpson (Chemistry)

A.B., Monmouth College Dissertation: "Bare Nucleus Perturbation Theory
Applied to Small Molecules: Optimization
and the Use of One Electron Basis Sets."

#### Donald R. Smith (Engineering)

B.S.I.E., University of Arkansas M.S.I.E., University of Arkansas Dissertation: "A Bayesian Approach to Generalized Reliability Networks Utilizing Distribution-Free Techniques."

#### Donald Rexford Stamper (English)

A.B., Morehead State College M.A., University of Arkansas Dissertation: "Success and Openness in English Fiction From Richardson Through Jane Aus-

#### Ralph Staudenmayer (Chemistry)

B.S., University of California
M.S., University of Arizona
Dissertation: "A Photolytic Study of N-Acetylanthranllic Acid."

#### John Raymond Tanner (Management)

M.B.A., University of Southwest Louisiana
M.B.A., University of Arkansas
Dissertation: "An Analysis of the Personnel
Policies in the Senior State Colleges and
Universities in Eight States in the Southern
and Midwestern Regions of the United
States."

### Ronnie H. Thompson (Chemistry)

B.S., Louisiana Tehnology College
M.S., Louisiana Technology College
Dissertation: "Alterations of the Isotopic Compositions of the Noble Gases by Nuclear Astro-Chemical Processes."

#### Robert Layne Warren (Business Administration)

B.B.A., Memphis State University M.B.A., Memphis State University Dissertation: "A Critical Examination of External Reporting of Changes in Financial Position with Emphasis on the Impact of Ac-counting Principles Board Opinion No. 19 and on the Usefulness of "Funds Flow" In-formation."

#### J. Donald Weinrauch (Marketing)

B.S., Northern Illinois University
M.S., Northern Illinois University
Dissertation: "Export Marketing Activities and
Problems: An Exploratory Study of Experiences and Perceptions of Business Firms in Arkansas.

Jerry Dean Whitt (Business Administration)

Addressing Direct Access Storage Devices."

B.B.A., North Texas State University

Dissertation: "The Development and Analysis of the Algorithm Sequential Access Method of Addressing Direct Access Storage Devices."

William H. Woods (Zoology)

B.S., Philander Smith College
M.S., Atlanta University
Dissertation: "A Comparative Study of Skin
Ultrastructure from Three Species of Small
Colubrid Snakes."

NOTE: The above list contains the names of all prospective degree candidates and is not an official list of those actually receiving degrees.

Bachelers

Professional

Master

Tutal

1635

11/5

516

2503

# Honorary Degrees

#### Doctor of Laws

Roy Kumpe

Hugh Baskin Patterson, Jr.

### **Citations**

### Distinguished Alumna and Alumnus

Joe E. Covington

Mary L. Good

Frederick Lee Liebolt

# Awards

Trustee Emeritus

John L. Wilson

R. E. L. Wilson, III

# Honorary Degree Commendations

#### ROY KUMPE

Roy Kumpe is a humanitarian whose dynamic leadership has greatly improved the opportunities and conditions of life for the blind citizens of Arkansas.

Handicapped since childhood by his own impaired sight, he has been for many years the motivating force in the programs of the Arkansas Enterprises for the Blind Rehabilitation Center. He spearheaded the organization of the International Services for the Blind, created for the purpose of financing training scholarships for professionals at the Rehabilitation Center and from other countries. This organization also provides consultative services for establishing rehabilitation services in foreign nations.

He has served as chairman of the Governor's Committee for Employment of the Handicapped and as President of the American Association of Workers for the Blind. He is a recipient of the Humanitarian Award of Lions International.

#### HUGH B. PATTERSON, JR.

Hugh B. Patterson, Jr. is a distinguished and widely recognized leader in the field of American journalism.

During his tenure as publisher of the Arkansas Gazette, the newspaper has received two Pulitzer Prizes in a single year, the first newspaper in the country to be so honored.

Mr. Patterson exerts his own influence, and that of his newspaper, in support of improvement of Arkansas education at all levels. He is a member of the Board of Visitors of the University of Arkansas at Little Rock. He has served as a director of the National Citizens Committee for Better Schools and as a member of the National Committee for the Support of Public Schools.

Mr. Patterson is active in civic and governmental affairs and was a founding member of the Southern Committee on Political Ethics.

He has held numerous positions of leadership in his profession, having served successively as a director, treasurer, president and Board chairman of the Southern Newspaper Publishers Association. He also has served as a member of the Labor Relations Committee of the American Newspaper Publishers Association.

#### JOE E. COVINGTON

Joe E. Covington is an able and dedicated educator in the field of law who holds regional and national stature.

Dr. Covington is a former provost of the University of Arkansas, and served as Acting President of the University in 1951-52 and again in the Spring of 1953. He became Dean of the School of Law at the University of Arkansas in 1954 and four years later accepted the Deanship at the University of Missouri School of Law. He now holds an endowed chair as the Phil Sheridan Gibson Professor of Law at the University of Missouri.

He is a member of the American Bar Foundation, an organization within the American Bar Association whose membership is limited to one quarter of one per cent of the attorneys in the United States. He has served as Director of Testing for the National Conference of Bar Examiners since 1969. In this position, he administers the Multistate Bar Examination, developed on his initiative, which was given for the first time in 1972 to more than 16,000 applicants for admission to the bars of 33 states.

Dr. Covington received his bachelor's and law degrees from the University of Arkansas and the Master of Law and the Doctor of Juridical Science degrees from the Harvard Law School.

#### MARY L. GOOD

Dr. Mary L. Good is a highly distinguished scholar and scientist in the fields of chemistry and nuclear energy.

As a professor on the faculty of Louisiana State University at New Orleans, Dr. Good is chairman of the institution's Nuclear Energy Committee and is the first woman to be appointed to the Board of Directors of the Oak Ridge Associated Universities.

Her achievements in teaching, research and administrative activities are numerous and varied. Among other responsibilities, she is a member of the National Science Foundation's Advisory Council on Chemistry. She is a frequent participant in international scientific conferences and symposia.

Dr. Good received her Bachelor's degree from State College of Arkansas, and her master's and doctoral degrees from the University of Arkansas.

#### FREDERICK LEE LIEBOLT

Dr. Frederick Lee Liebolt is a nationally known orthopedic surgeon and medical educator in New York City.

Author of 20 books on the various aspects of orthopedics, he is responsible for many innovative and pathfinding surgical procedures in his specialty.

He previously has been awarded an honorary degree by the University of Arkansas and he has taught on the medical faculties of Columbia and Cornell Universities and Ithaca College in New York. He served during World War II as head of the Department of Orthopedic Surgery at Cornell University Medical College and currently serves as orthopedic surgeon to the New York Hospital — Cornell Medical Center. He is a member of the American Board of Orthopedic Surgery.

He received his Bachelors degree from the University of Arkansas and his MD degree from the Washington University School of Medicine in St. Louis.

